DRILL HOLES

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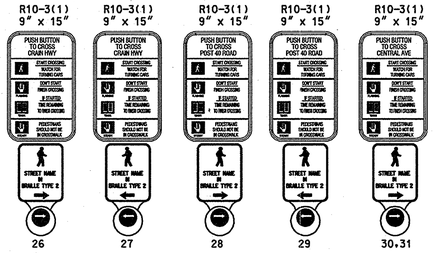
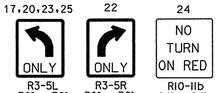
BORDER REV: DATE: June 1, 2004

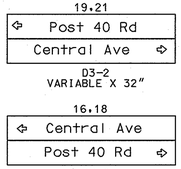
MD 3 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS



EXISTING SIGNS (TO BE RELOCATED)

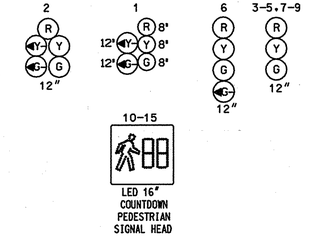




EXISTING SIGNS (TO BE REMOVED)

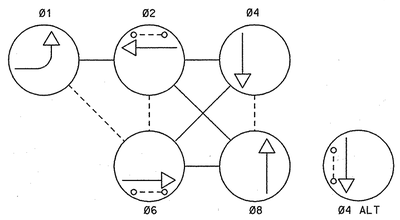
FOR EXISTING FIREHOUSE PRE EMPTION

PROPOSED SIGNALS

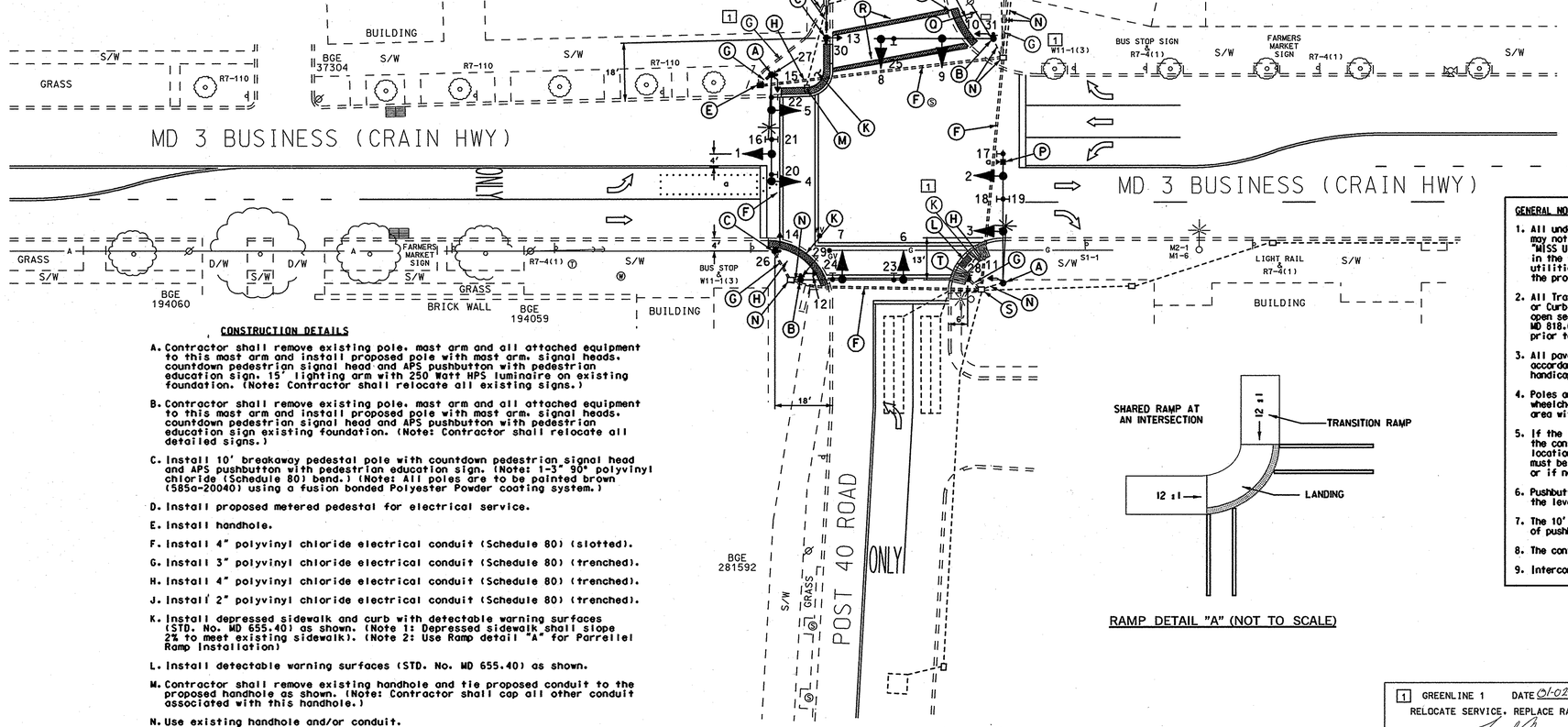


■ - VIDEO DETECTION CAMERA (a)

NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. Contractor shall remove existing pole, mast arm and all attached equipment to this mast arm and install proposed pole with mast arm, signal heads, countdown pedestrian signal head and APS pushbutton with pedestrian education sign, 15' lighting arm with 250 Watt HPS luminaire on existing foundation. (Note: Contractor shall relocate all existing signs.)

B. Contractor shall remove existing pole, mast arm and all attached equipment to this mast arm and install proposed pole with mast arm, signal heads, countdown pedestrian signal head and APS pushbutton with pedestrian education sign existing foundation. (Note: Contractor shall relocate all detailed signs.)

C. Install 10' breakaway pedestal pole with countdown pedestrian signal head and APS pushbutton with pedestrian education sign. (Notes: 1-3" 90° polyvinyl chloride (Schedule 80) bend.) (Note: All poles are to be painted brown (585a-20040) using a fusion bonded Polyester Powder coating system.)

D. Install proposed metered pedestal for electrical service.

E. Install handhole.

F. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).

G. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

H. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

J. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

K. Install depressed sidewalk and curb with detectable warning surfaces (STD. No. MD 655.40) as shown. (Note 1: Depressed sidewalk shall slope 2% to meet existing sidewalk). (Note 2: Use Ramp detail "A" for Parrallel Ramp Installation)

L. Install detectable warning surfaces (STD. No. MD 655.40) as shown.

M. Contractor shall remove existing handhole and tie proposed conduit to the proposed handhole as shown. (Note: Contractor shall cap all other conduit associated with this handhole.)

N. Use existing handhole and/or conduit.

O. Use existing cabinet and controller.

P. Remove existing overhead R10-12 sign and install video detection camera in this location.

Q. BGE shall remove existing overhead service.

R. Install 12" white preformed thermoplastic pavement marking (Crosswalk). (Note: Existing crosswalk shall be removed.)

S. Locate and raise existing handhole to grade.

T. Install 5' breakaway pedestal pole with APS pushbutton and pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) (trenched).

RAMP DETAIL "A" (NOT TO SCALE)

GENERAL NOTES:

1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
2. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.
3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
4. Poles are to be located so that they can be activated by a person in a wheelchair from a 60"x 60" level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.
5. If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necesary a design waiver is obtained.
6. Pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".
7. The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton.
8. The contractor shall remove all unused wiring.
9. Interconnect to MD 648 shall be maintained.

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE —A—A—
ELECTRIC —E—E—
TELEPHONE —T—T—
GAS —G—G—
SEWER —S—S—
WATER —W—W—
CABLE TV —TV—TV—

REVISION "B"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-5637

5322.dgn T-95

1 GREENLINE 1 DATE 01-02-08
RELOCATE SERVICE, REPLACE RAMP
TEDD APPROVAL

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

ORIGINAL ON FILE

B INSTALL NEW SIGNAL POLES ON EXISTING FOUNDATIONS AND INSTALL APS / CPS 5-10-07
SHA's AT9155185
JWA

A UPGRADE FIREHOUSE PRE-EMPTION TO INCLUDE SCAT-ACTUATED OPERATION & PEDESTRIAN PHASING 9-91
SHA's SB-428-602-512 & 855-02090
IO

PLOTTED: @DATETIME@
FILE: @FILE@

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 3 BUSINESS (CRAIN HIGHWAY) AND CENTRAL AVENUE / POST 40 ROAD

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 3-30-87 CONTRACT NO. BW-945-801-512

DESIGNED BY _____ COUNTY ANNE ARUNDEL
DRAWN BY WSE (FOR A.A. CO.) LOGMILE 02B00303.26
CHECKED BY JEH (FOR A.A. CO.) TMS NO. 1130
F.A.P. NO. _____ TOD NO. _____

TS NO. 2375B	DRAWING NO. 1 OF 2	SHEET NO. OF